

Title (en)  
WALKING EXCAVATOR

Title (de)  
SCHREITBAGGER

Title (fr)  
PELLE ARAIGNÉE

Publication  
**EP 4047143 B1 20240313 (DE)**

Application  
**EP 22150097 A 20220104**

Priority  
AT 172021 U 20210223

Abstract (en)  
[origin: US2022267982A1] A walking excavator (1) having a superstructure (2) and an undercarriage (29), and a cab (3) disposed on the superstructure (2), and four walking legs (4) pivotably disposed on the undercarriage (29), and an excavator arm (5) which is pivotably mounted on the superstructure (2) and to which an excavating tool (6), in particular an excavator bucket, is fastened or able to be fastened. A dual-action differential cylinder (7) pivots the excavator arm (5) up and down relative to the superstructure (2) and is articulated on the superstructure (2), on one side, and on the excavator arm (5), on an other side. For applying additional force along with the dual-action differential cylinder (7) when pivoting the excavator arm (5) down relative to the superstructure (2), a single-action differential cylinder (8) is additionally articulated on the superstructure (2), on one side, and on the excavator arm (5), on an other side.

IPC 8 full level  
**E02F 9/22** (2006.01); **E02F 3/42** (2006.01); **E02F 9/02** (2006.01)

CPC (source: AT EP US)  
**B62D 57/028** (2013.01 - AT); **E02F 3/30** (2013.01 - AT); **E02F 3/32** (2013.01 - AT US); **E02F 3/42** (2013.01 - AT); **E02F 3/425** (2013.01 - EP); **E02F 9/024** (2013.01 - AT EP); **E02F 9/04** (2013.01 - AT); **E02F 9/08** (2013.01 - US); **E02F 9/085** (2013.01 - EP); **E02F 9/2058** (2013.01 - US); **E02F 9/22** (2013.01 - AT US); **E02F 9/2228** (2013.01 - EP); **E02F 9/2271** (2013.01 - EP); **F15B 11/036** (2013.01 - EP); **F15B 2211/6313** (2013.01 - EP); **F15B 2211/6658** (2013.01 - EP); **F15B 2211/7052** (2013.01 - EP); **F15B 2211/7053** (2013.01 - EP); **F15B 2211/7055** (2013.01 - EP); **F15B 2211/76** (2013.01 - EP); **F15B 2211/85** (2013.01 - EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 22150097 A 20220104**; AT 172021 U 20210223; US 202217672789 A 20220216